

## Topological Order: From Quantum Hall Systems to Magnetic Materials

June 29 - July 24, 2009, 2009

*Scientific coordination:*

**Roderich Moessner**

MPI für Physik komplexer Systeme  
Dresden, Germany

*Scientific Advisor:*

**Yunhyu Bang**

APCTP  
Pohang, South Korea

**Simon Trebst**

Microsoft Research, Station Q  
Santa Barbara, USA

*Organisation:*

**Renate Seidel**

MPI für Physik komplexer Systeme  
Dresden, Germany

The theme of this event are the different manifestations of topological and other types of exotic order in condensed matter physics. Topics include frustrated magnets, quantum Hall systems, unconventional superconductors, and topological insulators. The three seminar weeks will include in-depth lectures and allow ample time for discussions among the participants. A workshop will be held in the third week of the seminar.

*Invited participants: (\* to be confirmed)*

Ehud Altman * (Rehovot)	Matt Hastings * (Los Alamos)	Kai Schmidt (Dortmund)
Eddy Ardonne (Stockholm)	Walter Hofstetter (Frankfurt)	Kareljan Schoutens (Amsterdam)
Leon Balents (Santa Barbara)	Anders Karlhede (Stockholm)	T. Senthil (Cambridge)
G. Baskaran (Chennai)	Yong-Baek Kim (Toronto)	Sriram Shastry (Santa Cruz)
Andrei Bernevig (Princeton)	Alexei Kitaev * (Pasadena)	Kirill Shtengel (Riverside)
Wolfram Brenig (Braunschweig)	Andreas Läuchli (Dresden)	Steve Simon (Oxford)
Hans-Peter Büchler (Stuttgart)	Alois Loidl (Augsburg)	Jürgen Smet (Stuttgart)
Claudio Castelnovo (Oxford)	Andreas Ludwig * (Santa Barbara)	Ady Stern (Rehovot)
John Chalker (Oxford)	Laurens Molenkamp (Würzburg)	Hidenori Takagi (Tokyo)
Claudio Chamon (Boston)	Joel Moore (Berkeley)	Oleg Tchernyshyov (Baltimore)
Nigel Cooper (Cambridge)	Satoru Nakatsuji (Tokyo)	Hirokazu Tsunetsugu (Tokyo)
Kedar Damle (Mumbai)	Masaki Oshikawa (Tokyo)	Roser Valenti (Frankfurt)
Sankar Das Sarma (College Park)	Jiannis Pachos (Leeds)	Frank Verstraete (Vienna)
Merav Dolev (Rehovot)	Kwon Park * (Seoul)	Matthias Vojta (Cologne)
Paul Fendley (Charlottesville)	Vincent Pasquier (Saclay)	Xin Wan (Pohang)
Matthew Fisher (Santa Barbara)	Didier Poilblanc (Toulouse)	Xiao-Gang Wen * (Cambridge)
Michael Freedman (Santa Barbara)	Gil Refael (Pasadena)	Tao Xiang (Beijing)
Jung Hoon Han (Suwon)	Bernd Rosenow (Stuttgart)	Eric Yang * (Seoul)

Applications for participation and poster contributions are welcome and should be made by using the application form on the seminar and workshop web page (please see URL below). The number of attendees is limited. The **registration fee is 100 €** and should be paid by all participants. Costs for accommodation and meals will be covered by the Max Planck Institute. Limited funding is available to partially cover travel expenses. Please note that childcare is available upon request.

**Deadline for registration is April 1, 2009.**



For further information please contact:

Visitors Program - Renate Seidel

Max-Planck-Institut für Physik komplexer Systeme,

Nöthnitzer Str. 38, D-01187 Dresden, Germany

Tel.: +49-351-871-2105 / Fax: +49-351-871-2199

topo09@mpipks-dresden.mpg.de

<http://www.mpipks-dresden.mpg.de/~topo09>

